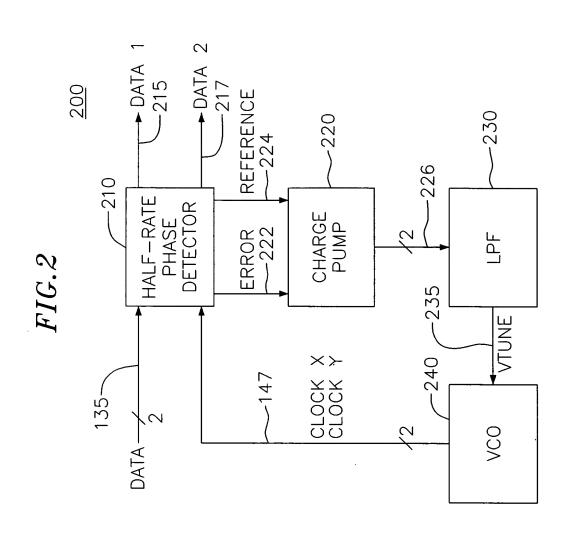


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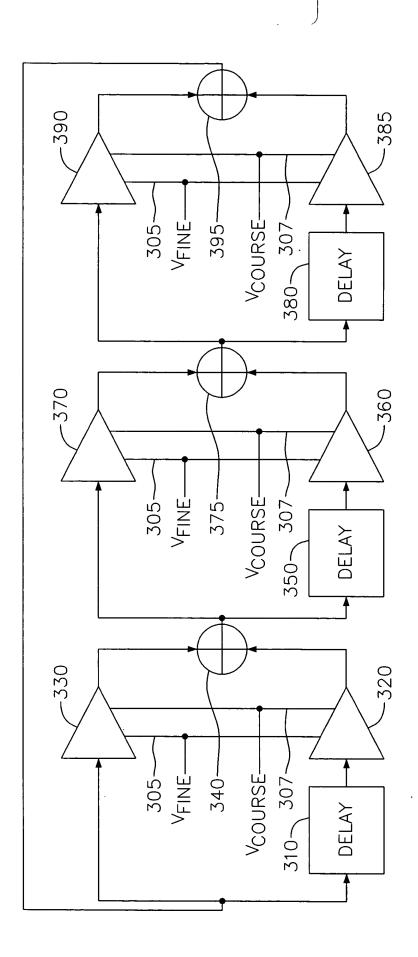




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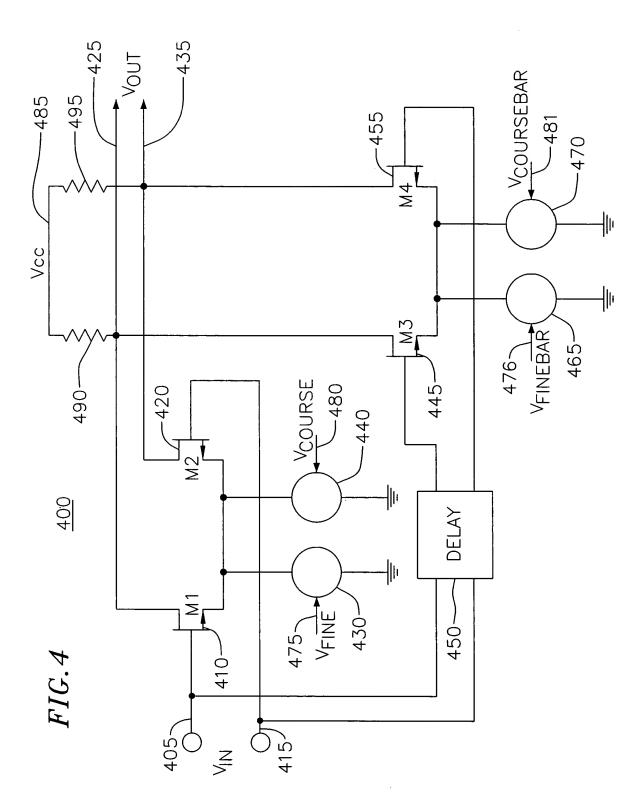
FIG.3

300

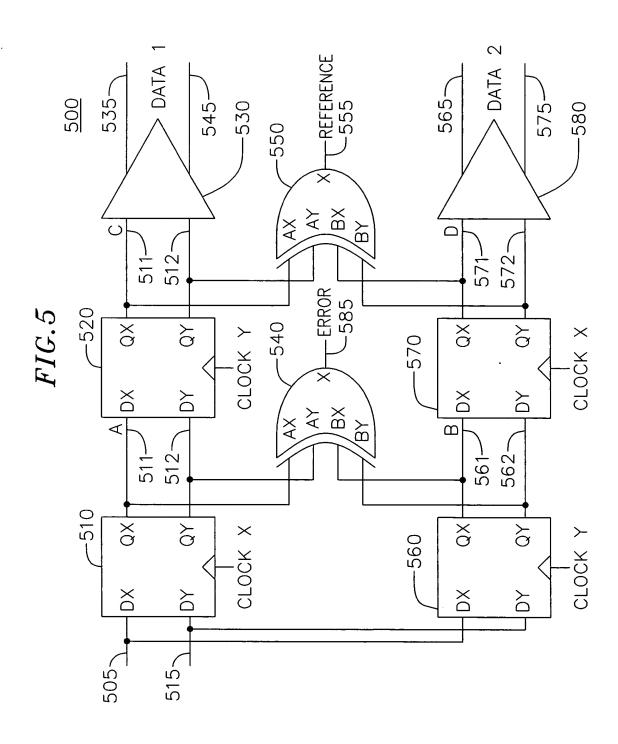


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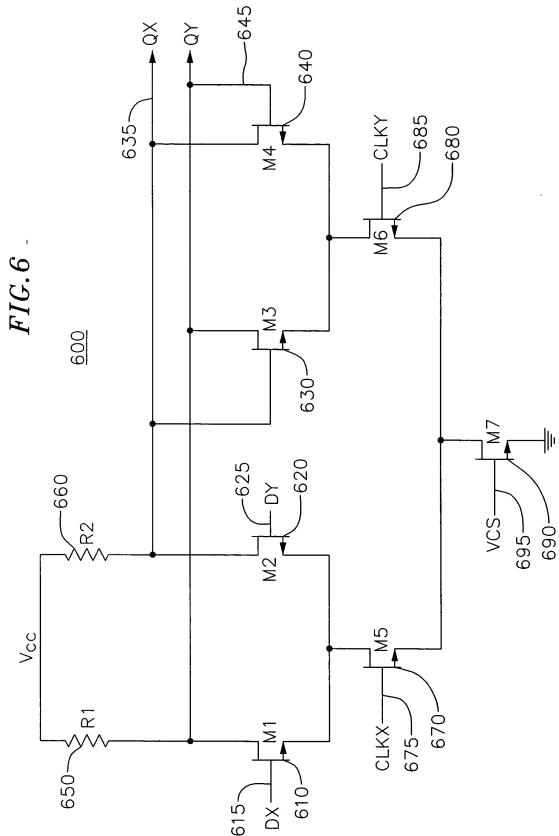






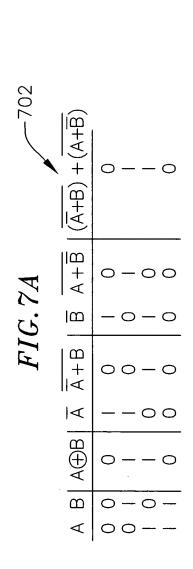


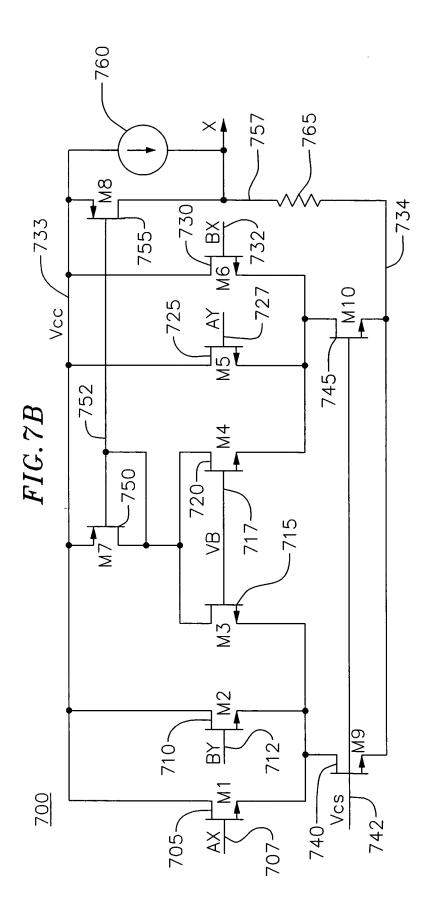
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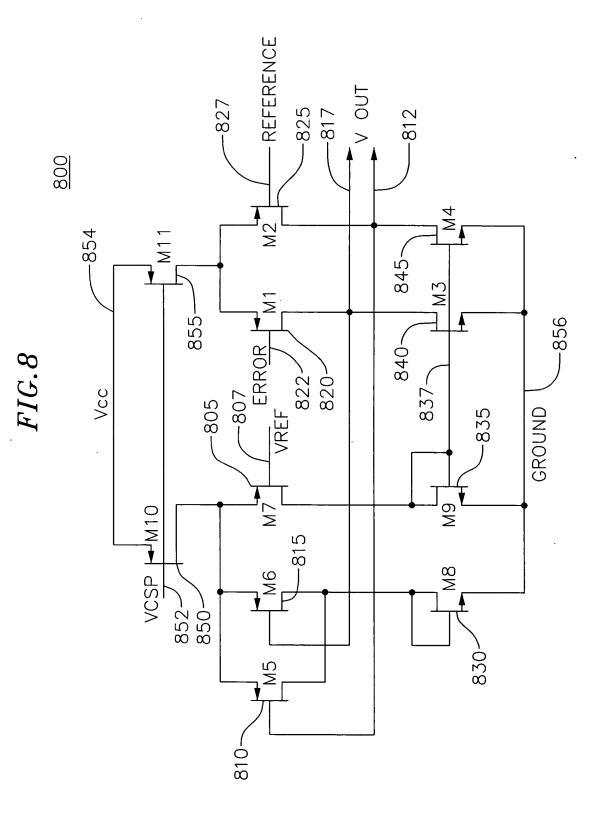


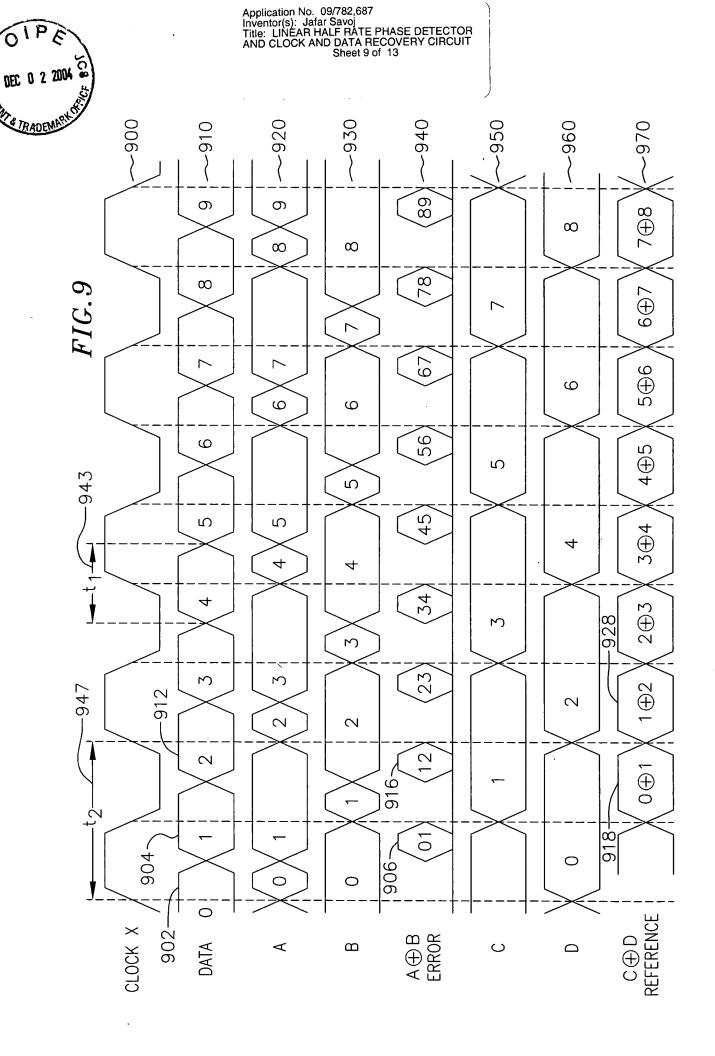


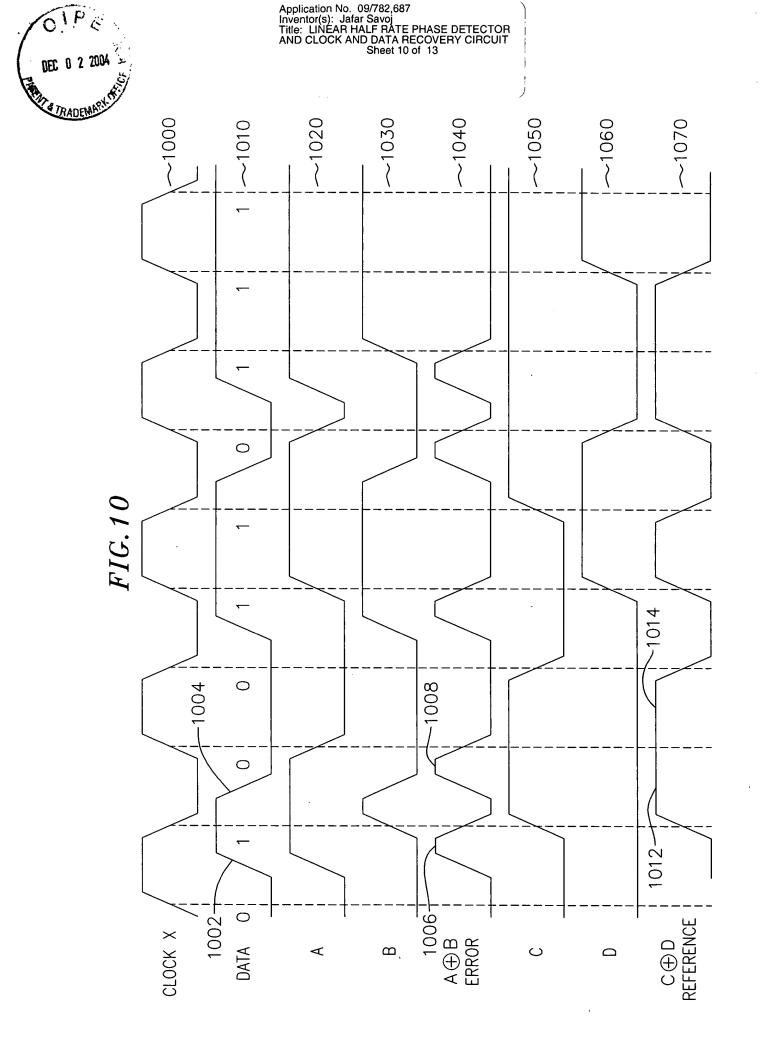


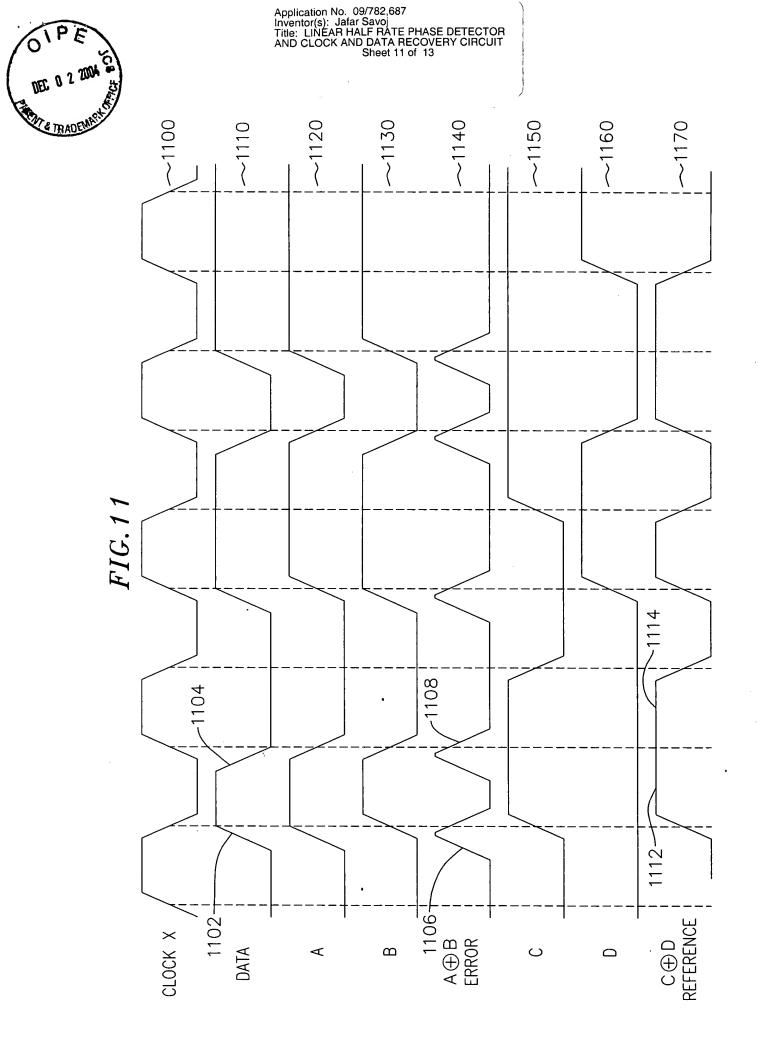


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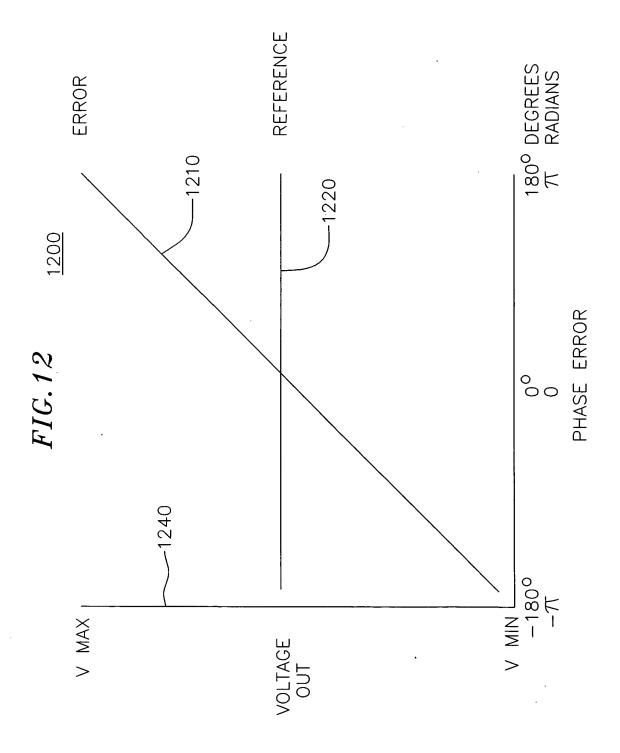












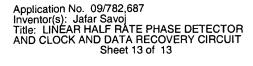




FIG. 13 1300 PROVIDE AN INPUT DATA SIGNAL, A CLOCK SIGNAL, AND A -1310 COMPLEMENTARY CLOCK SIGNAL. APPLY THE INPUT DATA TO A FIRST -1320 LATCH CLOCKED BY THE CLOCK SIGNAL APPLY THE INPUT DATA TO A SECOND LATCH CLOCKED BY THE -1330 COMPLEMENTARY CLOCK SIGNAL. APPLY THE OUTPUT OF THE FIRST LATCH -1340 TO A FIRST XOR GATE AND A THIRD LATCH. APPLY THE OUTPUT OF THE SECOND -1350 LATCH TO THE FIRST XOR GATE AND A FOURTH LATCH. APPLY THE OUTPUT OF THE THIRD LATCH -1360 AND THE FOURTH LATCH TO SECOND XOR GATE. USE THE OUTPUT OF THE FIRST XOR GATE AS AN ERROR SIGNAL. THE OUTPUT OF THE SECOND XOR GATE AS A REFERENCE SIGNAL, THE OUTPUT OF -1370 THE THIRD LATCH AS A FIRST DATA OUTPUT, AND THE OUTPUT OF THE FOURTH LATCH AS A SECOND DATA OUTPUT. SUBTRACT THE ERROR SIGNAL FROM 1/2

THE REFERENCE SIGNAL, AND FILTER.

USE FILTER OUTPUT TO ADJUST CLOCK AND

COMPLIMENTARY CLOCK SIGNALS.

-1380

-1390